REV	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR
	SEE SHEET 13				

SH 5 INT30 LINE DROP OUT
SH 1 INT15 PWR OFF
SH 1 INT18 ENABLE
SH 1 INT16 PWR ON
SH 8 INT27
SH 1,4 INT13 STROBE
SHT 1 INT17
J21 22 OSC INHIBIT
SH 9 CMND
J21 7 INT28 PROGRAM VOLTS

PFN MONITOR J25 13
PFN MONITOR (-) J6 25
PFN MONITOR J25 14
PFN MONITOR (+) J6 26
RTN J2 17
CIM Q-SW ADV RTN J25 15
Q-SWITCH ADV SYNC J2 18
CIM Q-SW ADV J25 16
RTN J2 19
CIM Q-SW DLY RTN J25 17
Q-SWITCH DELAY J2 37
CIM Q-SW DLY J25 18
REP RATE REMOTE J2 16
CIM REP RATE RTN J25 19
CIM REP RATE SET J25 20
MIN REP RATE J2 15
J2 14
J2 13
CIM PFN SET RTN J25 21
CIM PFN SET J25 22
CIM PFN LMT J25 23
J2 12 ZENER VOLTS

CIM1 CIM2 CIM3 CIM4

+15V -15V +10V +5.0 +8.8V UNREG GND

TP56 PFN MON
TP54 TP23

U10 AD620 U70 AD620 U2 AD620 U85 AD620 U86 AD620 U95 AD620
U9 CD4027 U27 CD4071 U42 CD40106 U44 CD4098
U39 CD4066 U75 LF347N U71 LF347N U54 LF347N U17 LM339AN
U19 LM331 U34 CD4049 U15 TLC27L4 U22 LF347N
K1 K2

Q-SW ADV SYNC
VAR REP RATE
PFN VOLTAGE SET
SINGLE SHOT

ACDRPOUT SH 3
SWADV SH 9
QSWDLY SH 10
EXT2 SH 3
XQSWATN SH 11
EXT4 SH 3
SINGLE SHOT INT7 SH 4, 1, 9
J21 31
J21 32

AC DROP OUT
REP RATE MAX
MIN REP RATE
PFN CAL

QTY	ITEM	PART NUMBER	DESCRIPTION
	NAME	DATE	Spectra-Physics — MOUNTAIN VIEW CA 94042
DFTS.	B.PATRICK	1/97	
ENG.			
ENG.	S.LAWRENCE	1/97	
MFG.			
MODEL	NEXT ASSY.		

TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± .XX ± .XXX ± ANGLES ± SURF.FIN: ±
CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY
GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

SCHEMATIC, MAIN CONTROL P.C.B.

FINISH: | SCALE NONE | SIZE D | DRAWING NUMBER 0452-9680 | SHEET 2 OF 13 | REV. 1

FILE:MAIN2.SCH 5-27 02